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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/788,723	02/27/2004	Frank Eugene Wills	20712-0062	7753
26587	7590 06/01/2005		EXAMINER	
MCNEES, WALLACE & NURICK LLC			NORMAN, MARC E	
100 PINE STR P.O. BOX 116			ART UNIT	PAPER NUMBER
HARRISBUR	G, PA 17108-1166	3744		
			DATE MAILED: 06/01/2005	

Please find below and/or attached an Office communication concerning this application or proceeding.

	Application No.	Applicant(s)				
	10/788,723	WILLS ET AL.				
Office Action Summary	Examiner	Art Unit				
	Marc E. Norman	3744				
The MAILING DATE of this communication a Period for Reply	ppears on the cover sheet with the c	orrespondence address				
A SHORTENED STATUTORY PERIOD FOR REP THE MAILING DATE OF THIS COMMUNICATION - Extensions of time may be available under the provisions of 37 CFR after SIX (6) MONTHS from the mailing date of this communication. - If the period for reply specified above is less than thirty (30) days, a relif NO period for reply is specified above, the maximum statutory perions Failure to reply within the set or extended period for reply will, by state Any reply received by the Office later than three months after the mail earned patent term adjustment. See 37 CFR 1.704(b).	1. 1.136(a). In no event, however, may a reply be tined by the statutory minimum of thirty (30) day and will expire SIX (6) MONTHS from the cause the application to become ABANDONE.	nely filed s will be considered timely. the mailing date of this communication. D (35 U.S.C. § 133).				
Status						
1) Responsive to communication(s) filed on 27	February 2004.					
,						
•	Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under <i>Ex parte Quayle</i> , 1935 C.D. 11, 453 O.G. 213.					
Disposition of Claims						
4) ☐ Claim(s) 1-35 is/are pending in the application 4a) Of the above claim(s) is/are withdrest is/are allowed. 5) ☐ Claim(s) 1-33 and 35 is/are allowed. 6) ☐ Claim(s) 34 is/are rejected. 7) ☐ Claim(s) is/are objected to. 8) ☐ Claim(s) are subject to restriction and	rawn from consideration.					
Application Papers		·				
9) ☐ The specification is objected to by the Examin 10) ☑ The drawing(s) filed on 27 February 2004 is/a Applicant may not request that any objection to the Replacement drawing sheet(s) including the correct 11) ☐ The oath or declaration is objected to by the I	are: a) \square accepted or b) \square objectented or by \square objectented displaying and accepted in abeyance. See the drawing (s) is objection is required if the drawing (s) is objection.	e 37 CFR 1.85(a). jected to. See 37 CFR 1.121(d).				
Priority under 35 U.S.C. § 119						
12) Acknowledgment is made of a claim for foreign a) All b) Some * c) None of: 1. Certified copies of the priority docume 2. Certified copies of the priority docume 3. Copies of the certified copies of the priority docume application from the International Bure * See the attached detailed Office action for a list	nts have been received. nts have been received in Applicati iority documents have been receive eau (PCT Rule 17.2(a)).	on No ed in this National Stage				
Attachment(s)						
 Notice of References Cited (PTO-892) Notice of Draftsperson's Patent Drawing Review (PTO-948) Information Disclosure Statement(s) (PTO-1449 or PTO/SB/0 Paper No(s)/Mail Date <u>2/27/04</u>. 	4) Interview Summary Paper No(s)/Mail Da 8) 5) Notice of Informal P 6) Other:					

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DETAILED ACTION

Claim Rejections - 35 USC § 112

The following is a quotation of the second paragraph of 35 U.S.C. 112:

The specification shall conclude with one or more claims particularly pointing out and distinctly claiming the subject matter which the applicant regards as his invention.

Claim 34 is rejected under 35 U.S.C. 112, second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which applicant regards as the invention.

Claim 34 recites the limitation "the first economizer" and "the second economizer" in lines 1-2 of the claim. There is insufficient antecedent basis for these limitations in the claim. The Examiner suspects that Applicant intended claim 34 to depend from claim 33 rather than from claim 34. Appropriate correction is required.

Allowable Subject Matter

Claims 1-33 and 35 are allowed.

Claim 34 would be allowable if rewritten to overcome the rejection(s) under 35 U.S.C. 112, 2nd paragraph, set forth in this Office action and to include all of the limitations of the base claim and any intervening claims.

The following is a statement of reasons for the indication of allowable subject matter:

As per independent claim 1, the prior art does not teach a method of increasing output capacity of a screw compressor as recited, and in particular the steps of operating the variable speed drive to supply a voltage and frequency to the motor greater than the predetermined rated

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operational voltage and frequency of the motor, the motor generating an output speed greater than the predetermined output speed of the motor as a result of the supplied voltage and frequency to the motor being greater than the predetermined rated operational voltage and frequency of the motor; and driving the screw compressor at the generated output speed of the motor greater than the predetermined output speed of the motor to obtain an output capacity from the screw compressor greater than the predetermined output capacity of the screw compressor.

As per independent claim 7, the prior art does not teach a compression system comprising the combination of a motor, variable speed drive, and screw compressor as recited, and in particular wherein the motor generates an output speed greater than the predetermined output speed in response to operation at a supplied voltage and frequency greater than the predetermined rated operational voltage and frequency and the screw compressor provides an output capacity greater than the predetermined output capacity in response to being driven at an output speed of the motor greater- than the predetermined output speed of the motor.

As per independent claim 15, the prior art does not teach a chiller system comprising the combination of a first refrigerant circuit, second refrigerant circuit, first motor, second motor, and variable speed drive as recited, and in particular wherein the first motor drives the first compressor at a speed greater than the predetermined speed in response to a supplied output voltage and output frequency from the at least one variable speed drive being greater than the predetermined rated operational voltage and frequency of the first motor, the first compressor provides an output capacity greater than the predetermined output capacity in response to being driven by the first motor at an output speed greater than the predetermined output speed; and wherein the second motor drives the second compressor at a speed greater than the

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predetermined speed in response to a supplied output voltage and output frequency from the at least one variable speed drive being greater than the predetermined rated operational voltage and frequency of the second motor, the second compressor provides an output capacity greater than the predetermined output capacity in response to being driven by the second motor at an output speed greater than the predetermined output speed.

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Marc E. Norman whose telephone number is 571-272-4812. The examiner can normally be reached on Mon.-Fri., 8:30-5:00.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Cheryl Tyler can be reached on 571-272-4834. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

MN

MARC NORMAN
PRIMARY EXAMINER